

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)
022438.45889

Application Number
10/810,005

Applicant(s)
Dana Gaddy

Filing Date
March 26, 2004

Group Art Unit
1646

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
X2	AK	6489445	12/3/2002	Brunkow, et al.	530	350	9/21/2000
↓	AL	5952182	9/14/1999	Groome, et al.	435	7.1	5/22/1995
↓	AM	5830671	11/3/1998	Dennis, et al.	435	7.8	5/12/1997

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
X2	AN	20030015208	1/23/2003	Lang, et al.	128	922	5/28/2002
X2	AO	20010049360	12/6/2001	Vale, et al.	514	44	12/15/2000

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
X2	AP	WO 87/05702	9/24/1987	PCT				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

[Signature]

DATE CONSIDERED

4/20/07

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X2	AF	6,692,744	02/17/2004	Vale, et al.	424	158.1	
↓	AG	6,455,262	09/24/2002	Cox, et al.	435	7.1	
↓	AH	4,737,578	04/12/1988	Evans	530	350	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
X2	AI	20040038285	02/26/2004	Fukushima, et al.	435	6	09/09/2003
X2	AJ	20010055781	12/27/2001	Groome, et al.	435	7.92	04/25/2001

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

	FF	D. Gaddy-Kurten, et al. Inhibin Suppresses and Activin Stimulates Osteoblastogenesis and Osteoclastogenesis in Murine Bone Marrow Cultures, Endocrinology 143:74-83 (2002)
	GG	Wiater, et al. Inhibin is an Antagonist of Bone Morphogenetic Protein Signaling, Society for Biochemistry & Molecular Biology, Published 12/18/02 as manuscript M29710200

EXAMINER

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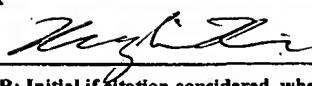
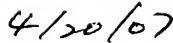
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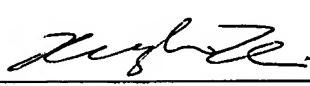
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X2	HH	Shintani, et al. Potent induction of activin A secretion from monocytes and bone marrow stromal fibroblasts by cognate interaction with activated T cells 1: J. Leukoc. Biol. (2002) Aug., 72 (2): 347-52
	II	Ebeling, et al. Bone turnover markers and bone density across the menopausal transition 1: J. Clin. Endocrinol. Metab. (1996) Sept. 81 (9): 3366-71
	JJ	Hirotsani, et al. Activin A increases the bone mass of grafted bone in C3H/HeJ mice 1: Calcif. Tissue Int. (2002) Apr. 70 (4): 330-8
	KK	Klein, et al. Decreased Inhibin B Secretion is Associated with the Monotropic FSH Rise in Older, Ovulatory Women: A Study of Serum and Follicular Fluid Levels of Diuretic Inhibin A and B in Spontaneous Menstrual Cycles J. Clin. Endocrinol Metab. 1996; 81(7):2742-5
	MM	Groome et al. Detection of Dimeric Inhibin Throughout the Human Menstrual Cycle by Two Site Enzyme Immunoassay Clinical Endocrinology (1994) 40, 717-23
	NN	Vale et al. Reproductive and Other Roles of Inhibins and Activins The Physiology of Reproduction, Second Ed. (1994) Chapter 34
	OO	Yu et al. Importance of FSH Releasing Protein and Inhibin in Erythrodifferentiation Nature p. 765, Vol. 330/34/31 Dec. (1987)
	PP	Fujimoto et al. Purification of Megakaryocyte Differentiation Activity from a Human Fibrous Histiocytoma Cell Line: N-Terminal Sequence Homology with Activin A Biochemical & Biophysical Research Communications Vol. 174, No. 3, 1163-1168, No. 3 (1991)
	QQ	Broxmeyer et al. Selective and Indirect Modulation of Human Multipotential and Crythroid Hematopoietic Progenitor Cell Proliferation by Recombinant Human Activin and Inhibin Proc. Nat. Acad. Sci, USA, Vol. 85, pp. 9052-9056, Dec. (1988)
	RR	Yu et al. Detection of Functional and Dimeric Activin A in Human Marrow Microenvironment Ann NY Acad Sci (1994) 718:285-298
✓	SS	Bonewald et al. Role of Transforming Growth Factor Beta In Bone Remodeling Clinical Orthopaedics and Related Research (1990) 250:261-276 (16 pgs.)

EXAMINER <div style="text-align: center; font-family: cursive; font-size: 1.2em;">  </div>	DATE CONSIDERED <div style="text-align: center; font-family: cursive; font-size: 1.2em;">  </div>
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X2	TT	Wozney The Bone Morphogenetic Protein Family and Osteogenesis Molecular Reproduction and Development 32:160-167(1992)			
	UU	Ogawa et al. Bovine Bone Activin Enhances Bone Morphogenetic Protein Induced Ectopic Bone Formation The Journal of Biological Chemistry, Vol. 267, No. 20, Issue 7/15, pp. 14233-14237 (1992)			
	VV	Funaba et al. Follistatin and Activin in Bone: Expression and Localization During Endochondral Bone Development Endocrinology, Vol. 137, No. 10, p. 4250 (1996)			
	WW	S. Inour et al. Localization of Follistatin, an Activin-Binding Protein in Bone Tissues Calcif. Tissue Int. 55:395-397 (1994)			
	XX	Y. Oue et al. Effect of Local Injection of Activin A on Bone Formation in Newborn Rats Bone, Vol. 15, No. 3, pp. 361-366 (1994)			
	YY	Meunier, et al. Gonadal and Extragonadal Expression of Inhibin A BA and BB Subunits in Various Tissues Predicts Diverse Functions Proc. Nat. Acad. Sci. US, Vol. 85, pp. 247-251 (Jan. 1988)			
	ZZ	Ebeling, et al. Bone Turnover Markers and Bone Density Across the Menopausal Transition Journal of Clinical Endocrinology & Metabolism, Vol. 81, No. 9, p. 3366 (1996)			
	AB	S. Muttukrishna et al. Serum Concentrations of Dimeric Inhibin During the Spontaneous Human Menstrual Cycle and After Treatment with Exogenous Gonadotrophin Human Reproduction Vol. 9, No. 9, pp. 1634-1642 (1994)			
	AC	Haynes, et al. Differential Control of Gonadotropin Secretion in the Human: Endocrine Role of Inhibin Journal of Clinical Endocrinology and Metabolism, Vol. 83, No. 6, p. 1835			
	AD	Wiater et al. Inhibin is an Antagonist of Bone Morphogenic Protein Signaling J. Bio. Chem. 2003; 278(10) 798(K): 7934-41			
↓	AE	Pangas et al. Production and Purification of Recombinant Human Inhibin and Activin Journal of Endocrinology (2002) 172, 199-210			
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